

LA-UR-21-21808

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Title: W-8 Production Liaison brochure

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Intended for: Will also be sent via email to external job applicants.
Web

Issued: 2021-02-24

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W-8 is part of the Weapon Systems (W) Engineering Division. W Division provides the system engineering and program management necessary to sustain the safety, reliability, and security of Los Alamos National Laboratory's assets in the active United States nuclear stockpile: the B61, W76, W78, and W88.



Mission Statement

To ensure the safety, security, reliability, and performance of LANL-managed nuclear warheads directly and to provide peer review of current and legacy Lawrence Livermore stockpile systems, LANL's responsibilities include providing support and oversight to the Production Agencies, executing surveillance requirements in support of annual assessment, providing weapons response for LANL components, and providing formal control of weapon product definition.

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For more information on how Los Alamos National Laboratory participates in nuclear deterrence and stockpile stewardship, visit www.lanl.gov/mission/nuclear-deterrence.php.

Visit our new hire webpage for job opportunities: www.lanl.gov/careers/employees-retirees/new-hires/orientation.php



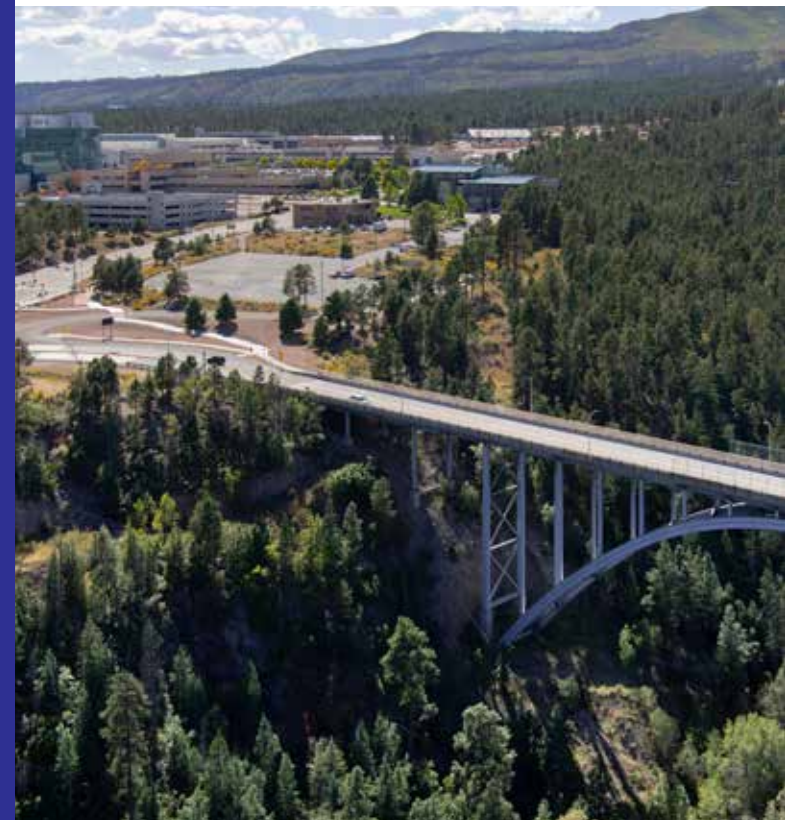
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W-8 Production Liaison

Helping To Design And Maintain A Reliable And Safe Nuclear Weapons Stockpile



W-8 Who Are We?

The W-8 Production Liaison Group (W-8) is the design agency representative to the Nuclear Security Enterprise production plants and ensures that weapon production activities at the Production Agencies meet design requirements and intent. Additionally, the group facilitates technical interchanges required to develop, maintain, and improve the weapon processes and procedures as a team member embedded in the Production Agency's Weapon Operations. The group also coordinates with the Design Agency System Engineering, Component, and Physics groups and with many other organizations to ensure timely communications and resolutions to day-to-day issues at the Production Agencies. These functions are key to maintaining a reliable, safe, and secure nuclear stockpile.

In addition to the staff who reside at Los Alamos National Laboratory (LANL), the Production Liaison Group maintains offices staffed with deployed personnel at the Kansas City National Security Campus (KCNSC) in Kansas City, Missouri; the Pantex Plant (the Tri-Lab Project Office) in Amarillo, Texas; and the Y-12 National Security Complex in Oak Ridge, Tennessee. The staff on duty stations at the Production Agencies provide real-time support for day-to-day production activities and keep the Design Agency integrated with production activities throughout the life of the weapons.

Production Agencies

Six production facilities comprise the National Nuclear Security Administration's Nuclear Security Enterprise, and the Production Liaison Group supports a diverse set of processes at four of these Production Agencies.

Where Are Our Employees Located?

Los Alamos National Laboratory, Los Alamos, NM

The Production Agencies at LANL focus on pit and detonator manufacturing and the associated surveillance operations. The Production Agencies at LANL engage in research and development in the areas of pit and detonator sciences. Visit: <https://www.lanl.gov/>



Y-12 National Security Complex, Oak Ridge, TN

Y-12 has three primary national security missions. It provides weapons components, contributes to global threat reduction, and provides feedstock to fuel the U.S. Nuclear Navy.

Y-12's weapons mission consists of component production, surveillance, dismantlement, and storage. Production includes the manufacture of new components, which is often combined with installing recycled components into subassemblies. Surveillance testing contributes to determinations on how weapons in the active stockpile are aging. Dismantlement involves separating components of retired weapons and recovering nuclear materials. Storage occurs throughout all of these processes. Visit: <https://www.y12.doe.gov/>



Kansas City National Security Campus, Kansas City, MO

KCNSC has three primary missions: Nuclear Security, Global Security, and the Supply Chain Management Center. KCNSC's primary focus is manufacturing 85% of nonnuclear components that go into the nuclear stockpile. Visit: <https://kcnsd.doe.gov/>



Pantex Plant, Amarillo, TX

Pantex is the nation's primary assembly, disassembly, dismantlement, retrofit, and life-extension center for nuclear weapons.

The Pantex Plant's weapons mission consists of the Joint Test Assembly (JTA), quality evaluation and surveillance, pit refurbishment and acceptance processes, and pit storage configuration management.

The Pantex Plant is the High Explosive Center of Excellence for the Nuclear Security Enterprise.

Visit: <https://pantex.energy.gov/>

